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| (51) International Patent Classification <sup>6</sup> :<br>C12N 15/16, 15/63, 5/10, C07K 14/575,<br>16/26, A01K 67/027  | A2   | (11) International Publication Number: <b>WO 97/32022</b><br>(43) International Publication Date: 4 September 1997 (04.09.97) |
| (21) International Application Number: PCT/US97/03209<br>(22) International Filing Date: 28 February 1997 (28.02.97)<br>(30) Priority Data:<br>08/609,408        1 March 1996 (01.03.96)        US<br>(71) Applicant: AMGEN INC. [US/US]; Amgen Center, 1840 De<br>Havilland Drive, Thousand Oaks, CA 91320-1789 (US).<br>(72) Inventor: HERNDAY, Natasha; 1295 E. Santa Clara Street,<br>Ventura, CA 93001 (US).<br>(74) Agent: PESSIN, Karol, M.; Amgen, Inc., Amgen Center, 1840<br>De Havilland Drive, Thousand Oaks, CA 91320-1789 (US). | (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR,<br>BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE,<br>HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,<br>LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,<br>PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA,<br>UG, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ,<br>UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ,<br>TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR,<br>GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF,<br>BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).<br><br>Published<br><i>Without international search report and to be republished<br/>         upon receipt of that report.</i> |   |
| (54) Title: CANINE OB PROTEIN COMPOSITIONS AND METHODS<br><br>(57) Abstract<br><br>Provided are canine OB protein and related compositions and methods. Canine OB amino acid sequences, related nucleic acid sequences, vectors, host cells, methods for recombinant production, related antibodies and/or diagnostic compositions, pharmaceutical compositions, and transgenic animals are provided.   |  |   |

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